

What is claimed is:

1. A protein defined in the following (A) or (B):

(A) a protein which has the amino acid sequence of
SEQ ID NO: 2 in Sequence Listing;

5 (B) a protein which has the amino acid sequence of
SEQ ID NO: 2 in Sequence Listing including substitution,
deletion, insertion, addition or inversion of one or
several amino acids, and an activity for binding to
sucrose.

10

2. A DNA which encodes a protein defined in the
following (A) or (B):

(A) a protein which has the amino acid sequence of
SEQ ID NO: 2 in Sequence Listing;

15 (B) a protein which has the amino acid sequence of
SEQ ID NO: 2 in Sequence Listing including substitution,
deletion, insertion, addition or inversion of one or
several amino acids, and an activity for binding to
sucrose.

20

3. The DNA according to Claim 2, which is a DNA
defined in the following (a) or (b):

(a) a DNA which contains the nucleotide sequence
pg-49 of the nucleotides 3779 to 5761 of SEQ ID NO: 1 in
Sequence Listing;

25

(b) a DNA which is hybridizable with a nucleotide
sequence containing the nucleotide sequence of the

nucleotides 3779 to 5761 of SEQ ID NO: 1 in Sequence
Listing under stringent conditions, and encodes a
protein having an activity for binding to sucrose.